FIG.1

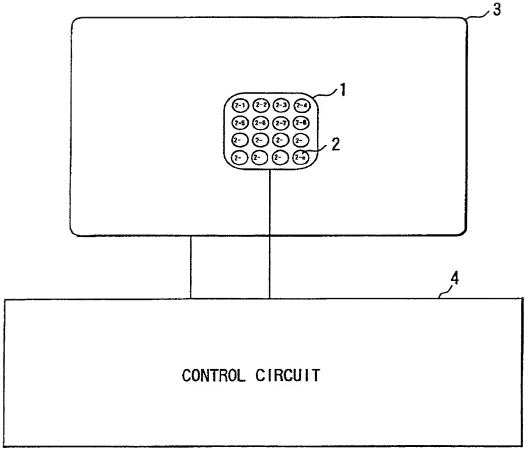

FIG.2

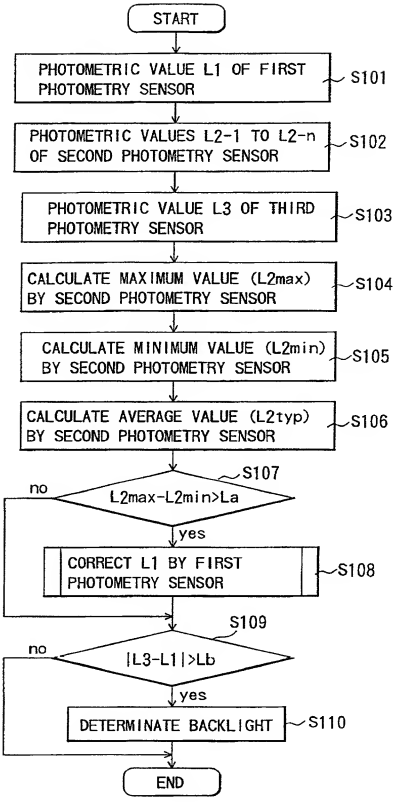
START
PHOTOMETRIC VALUE L1 OF FIRST PHOTOMETRY SENSOR
S101
PHOTOMETRIC VALUES L2-1 TO L2-n OF SECOND PHOTOMETRY SENSOR
S102
PHOTOMETRIC VALUE L3 OF THIRD PHOTOMETRY SENSOR
S103
CALCULATE MAXIMUM VALUE (L2max) BY SECOND PHOTOMETRY SENSOR
S104
CALCULATE MINIMUM VALUE (L2min) BY SECOND PHOTOMETRY SENSOR
S105
CALCULATE AVERAGE VALUE (L2typ) BY SECOND PHOTOMETRY SENSOR
S106
S107
L2max-L2min>La
no
yes
CORRECT L1 BY FIRST PHOTOMETRY SENSOR
S108
S109
|L3-L1|>Lb
no
yes
DETERMINATE BACKLIGHT
S110
END

FIG.3

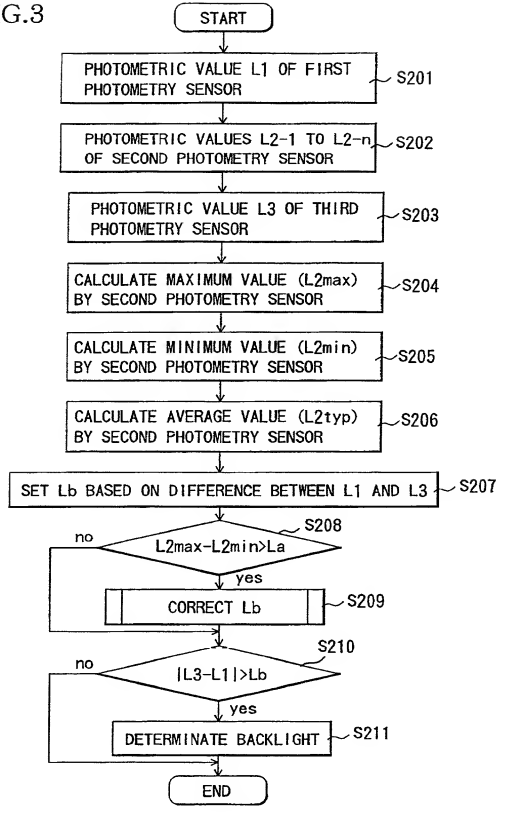
START
PHOTOMETRIC VALUE L1 OF FIRST PHOTOMETRY SENSOR
S201
PHOTOMETRIC VALUES L2-1 TO L2-n OF SECOND PHOTOMETRY SENSOR
S202
PHOTOMETRIC VALUE L3 OF THIRD PHOTOMETRY SENSOR
S203
CALCULATE MAXIMUM VALUE (L2max) BY SECOND PHOTOMETRY SENSOR
S204
CALCULATE MINIMUM VALUE (L2min) BY SECOND PHOTOMETRY SENSOR
S205
CALCULATE AVERAGE VALUE (L2typ) BY SECOND PHOTOMETRY SENSOR
S206
SET Lb BASED ON DIFFERENCE BETWEEN L1 AND L3
S207
S208
no
L2max-L2min>La
yes
CORRECT Lb
S209
S210
no
|L3-L1|>Lb
yes
DETERMINATE BACKLIGHT
S211
END

FIG.4

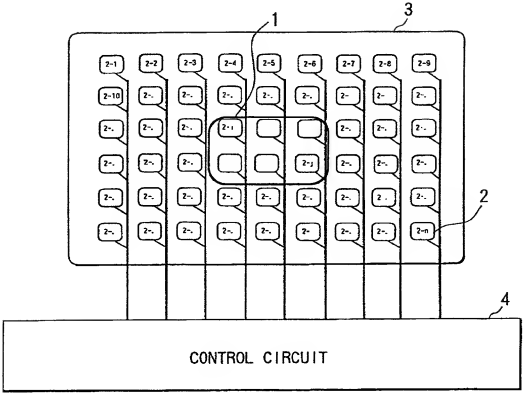

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FIG.5

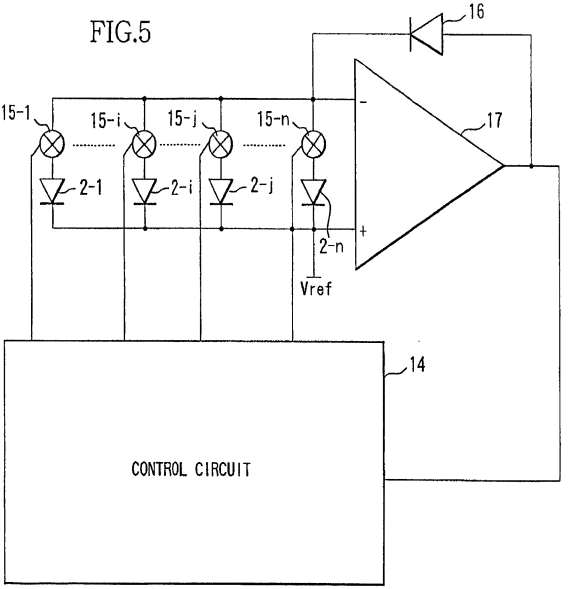


FIG.6

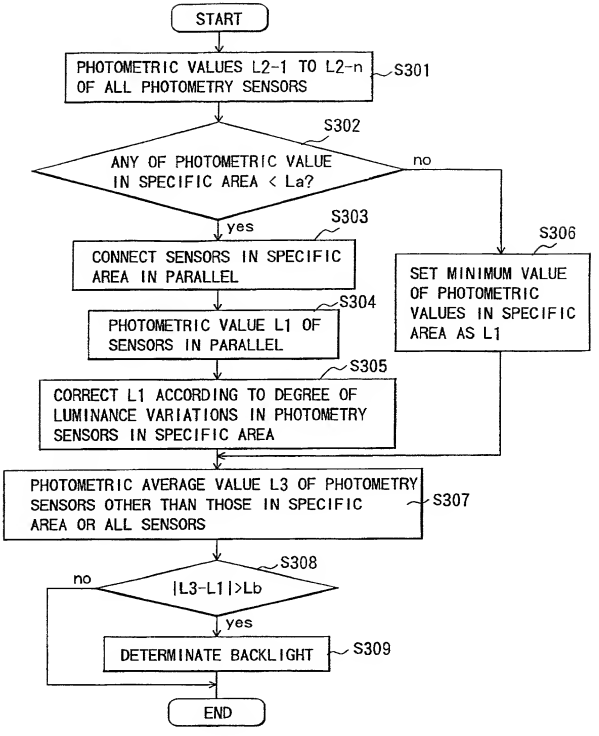

START
PHOTOMETRIC VALUES L2-1 TO L2-n OF ALL PHOTOMETRY SENSORS
S301
ANY OF PHOTOMETRIC VALUE IN SPECIFIC AREA < La?
S302
no
yes
CONNECT SENSORS IN SPECIFIC AREA IN PARALLEL
S303
PHOTOMETRIC VALUE L1 OF SENSORS IN PARALLEL
S304
CORRECT L1 ACCORDING TO DEGREE OF LUMINANCE VARIATIONS IN PHOTOMETRY SENSORS IN SPECIFIC AREA
S305
SET MINIMUM VALUE OF PHOTOMETRIC VALUES IN SPECIFIC AREA AS L1
S306
PHOTOMETRIC AVERAGE VALUE L3 OF PHOTOMETRY SENSORS OTHER THAN THOSE IN SPECIFIC AREA OR ALL SENSORS
S307
|L3-L1|>Lb
S308
no
yes
DETERMINATE BACKLIGHT
S309
END

FIG.7

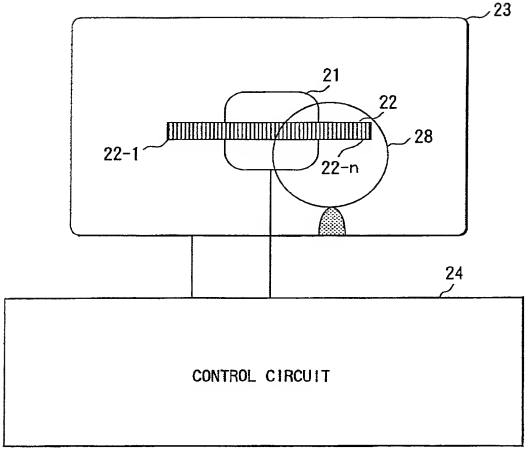


FIG.8

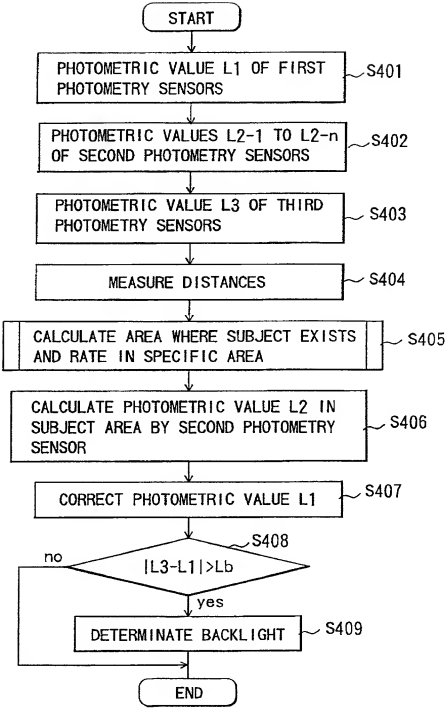

START
PHOTOMETRIC VALUE L1 OF FIRST PHOTOMETRY SENSORS
S401
PHOTOMETRIC VALUES L2-1 TO L2-n OF SECOND PHOTOMETRY SENSORS
S402
PHOTOMETRIC VALUE L3 OF THIRD PHOTOMETRY SENSORS
S403
MEASURE DISTANCES
S404
CALCULATE AREA WHERE SUBJECT EXISTS AND RATE IN SPECIFIC AREA
S405
CALCULATE PHOTOMETRIC VALUE L2 IN SUBJECT AREA BY SECOND PHOTOMETRY SENSOR
S406
CORRECT PHOTOMETRIC VALUE L1
S407
S408
no
|L3-L1|>Lb
yes
DETERMINATE BACKLIGHT
S409
END

FIG.9

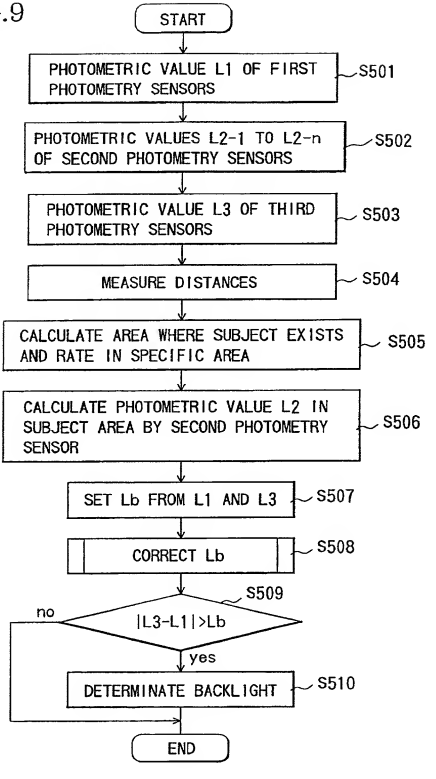
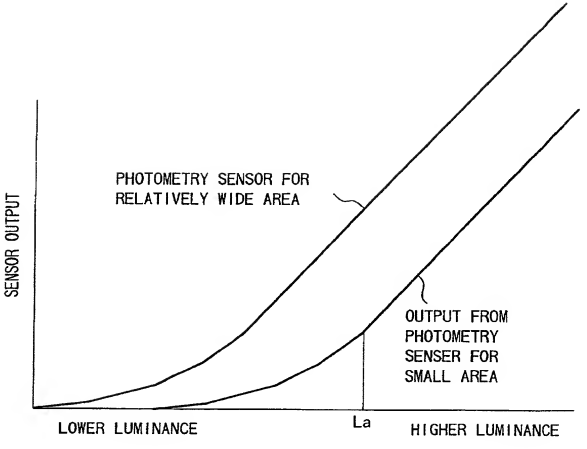

START
PHOTOMETRIC VALUE L1 OF FIRST PHOTOMETRY SENSORS
S501
PHOTOMETRIC VALUES L2-1 TO L2-n OF SECOND PHOTOMETRY SENSORS
S502
PHOTOMETRIC VALUE L3 OF THIRD PHOTOMETRY SENSORS
S503
MEASURE DISTANCES
S504
CALCULATE AREA WHERE SUBJECT EXISTS AND RATE IN SPECIFIC AREA
S505
CALCULATE PHOTOMETRIC VALUE L2 IN SUBJECT AREA BY SECOND PHOTOMETRY SENSOR
S506
SET Lb FROM L1 AND L3
S507
CORRECT Lb
S508
S509
|L3-L1|>Lb
no
yes
DETERMINATE BACKLIGHT
S510
END

FIG.10


SENSOR OUTPUT
PHOTOMETRY SENSOR FOR
RELATIVELY WIDE AREA
OUTPUT FROM
PHOTOMETRY
SENSER FOR
SMALL AREA
LOWER LUMINANCE
La
HIGHER LUMINANCE